

JE-Y(ST)Y...BD

Static screened installation cable for industrial electronics

Perfect for cost-effective installation, e.g. connections with insulation displacement technology (IDC).

Aluminium-laminated plastic foil static screen with tin-plated drain wire minimises the interference of high frequency, electromagnetic fields

Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)



Interference signals

Info

In accordance with DIN VDE 0815

Application range

Connection cable for fixed installation in industrial control systems, as required in measurement, control, signalling and data applications

Industrial electronics

For fixed installation on and under plaster, in dry and damp rooms

For outdoor use this cable should be installed under plaster only

Product Make-up

Solid bare copper conductor

Core insulation made of PVC

2 cores twisted into a pair, and 4 pairs into units (for 2 x 2 x 0.8 as star quad cable)

Foil wrapping,

static screening made of aluminium-laminated plastic film with copper drain wire

Outer sheath made of PVC

Outer sheath colour: pebble grey (RAL 7032)

Norm references / Approvals

In accordance with DIN VDE 0815

type JE-Y(ST)Y...BD

Product features

The 2-pair version (2x2x0.8) is twisted into a star quad

Flame-retardant according IEC 60332-1-2

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Blue version for intrinsically safe circuits: Complies with VDE 0165 Section 12.2.2.6. Marking of cables for hazard type -i- (intrinsically safe) is specified

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Technical Data

Core identification code:	according to VDE 0815, refer to Appendix T10
Mutual capacitance:	max. 100 nF/km
Peak operating voltage:	(not for power applications) 225 V
Classification:	ETIM 5.0 Class-ID: EC000829 ETIM 5.0 Class-Description: Control cable
Inductivity:	approx. 0.65 mH/km
Coupling:	approx. 200 pF/100 m
Conductor stranding:	Single-wire (solid conductor) 0.8 mm: 0.50 mm ²
Minimum bending radius:	Fixed installation: 6 x outer diameter
Test voltage:	Core/core: 500 V Core/screen: 2000 V
Loop resistance:	max. 73.2 Ohm/km
Temperature range:	Occasional flexing: -5 °C to +50 °C Fixed installation: -30 °C to +70 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 100/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil \leq 30 kg or \leq 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Photographs are not to scale and do not represent detailed images of the respective products.



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Part number	Number of cores and cable diameter (mm)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0034190	2 x 2 x 0,8	6.0	25.0	60
0034191	4 x 2 x 0,8	8.5	45.0	96
0034192	8 x 2 x 0,8	11.0	85.0	158
0034193	12 x 2 x 0,8	13.0	126.0	225
0034194	16 x 2 x 0,8	14.5	166.0	290
0034195	20 x 2 x 0,8	16.0	206.0	350
0034197	40 x 2 x 0,8	22.0	407.0	660